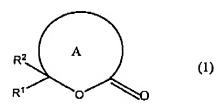
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

- 1. (Previously Amended) A method for producing a lactone comprising culturing Candida sorbophila in a medium containing at least one selected from a hydroxy fatty acid, a hydroxy fatty acid derivative, and a hydrolysate of a hydroxy fatty acid derivative, and recovering the produced lactone from the medium.
- 2. (Previously Amended) A method for producing a lactone comprising culturing Candida sorbophila in a medium containing at least one selected from a hydroxy fatty acid, a hydroxy fatty acid derivative, and a hydrolysate of a hydroxy fatty acid derivative, and lactonizing a lactone precursor hydroxy fatty acid produced in the medium.
- 3. (Previously Amended) The method according to claim 1 or 2, wherein the Candida sorbophila is at least one selected from Candida sorbophila strain ATCC 74362, Candida sorbophila strain ATCC 60130, Candida sorbophila strain IFO 1583, and Candida sorbophila strain FC 58 deposited under the accession number FERM BP-8388.
- 4. (Original) The method according to claim 1 or 2, wherein the lactone is represented by general formula (1):



wherein ring A represents a lactone ring; R¹ represents a hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, a heterocyclic group, or a substituted heterocyclic group; and R² represents a hydrogen atom, a hydrocarbon group, or a substituted hydrocarbon group; in which ring A and R² may be bonded to form a ring.

- 5. (Original) The method according to claim 1 or 2, wherein the lactone is an optically active lactone.
- 6. (Original) The method according to claim 1 or 2, wherein the hydroxy fatty acid is represented by general formula (2):

wherein R¹ represents a hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, a heterocyclic group, or a substituted heterocyclic group; R² represents a hydrogen atom, a hydrocarbon group, or a substituted hydrocarbon group; and R³ represents an optionally substituted divalent hydrocarbon group having a 4 or more-carbon chain; in which R² and R³ may be bonded to form a ring.

7. (Original) The method according to claim 1 or 2, wherein the hydroxy fatty acid derivative is an alkyl ester of hydroxy fatty acid or a glyceride of hydroxy fatty acid.

8. (Original) The method according to claim 7, wherein the alkyl ester of hydroxy fatty acid is represented by general formula (3):

wherein R¹ represents a hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, a heterocyclic group, or a substituted heterocyclic group; R² represents a hydrogen atom, a hydrocarbon group, or a substituted hydrocarbon group; R³ represents an optionally substituted divalent hydrocarbon group having a 4 or more-carbon chain; and R⁴ represents an alkyl group; in which R² and R³ may be bonded to form a ring.

9. (Original) The method according to claim 7, wherein the glyceride of hydroxy fatty acid is represented by general formula (4):

wherein R⁶ to R⁸ each independently represents a hydrogen atom or a group represented by general formula (6):

$$\begin{array}{c}
OH & O \\
R^1 & R^2
\end{array}$$
(6)

wherein R¹ represents a hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, a heterocyclic group, or a substituted heterocyclic group; R² represents a hydrogen atom, a

hydrocarbon group, or a substituted hydrocarbon group; R^3 represents an optionally substituted divalent hydrocarbon group having a 4 or more-carbon chain; and R^4 represents an alkyl group; in which R^2 and R^3 may be bonded to form a ring, provided that at least one of R^6 to R^8 is a group represented by the above general formula (6).

- 10. (Previously Amended) The method according to claim 1 or 2, wherein Candida sorbophila is cultured in a medium containing at least one selected from castor oil, a castor oil hydrolysate, ricinoleic acid, 11-hydroxypalmitic acid, lesquerolic acid, 10-hydroxystearic acid, 10-hydroxypalmitic acid, and ethyl 11-hydroxypalmitate.
- 11. (Original) The method according to claim 2, wherein the lactone precursor hydroxy fatty acid is a hydroxy fatty acid of 4 or more carbon atoms having a hydroxy group at position 4 or 5 thereof.
- 12. (Previously Amended) The method according to claim 1 or 2, wherein the lactone is any one selected from γ -decalactone, γ -valerolactone, γ -hexalactone, γ -heptalactone, γ -octalactone, γ -nonalactone, γ -undecalactone, γ -dodecalactone, γ -tridecalactone, γ -tetradecalactone, δ -decalactone, δ -hexalactone, δ -heptalactone, δ -octalactone, δ -nonalactone, δ -undecalactone, δ -dodecalactone, δ -tridecalactone, and δ -tetradecalactone.

13. (Cancelled)

- 14. (Previously Amended) A method for producing γ -decalactone comprising culturing Candida sorbophila in a medium containing at least one selected from castor oil, a castor oil hydrolysate, ricinoleic acid, and lesquerolic acid, and recovering the produced γ -decalactone from the medium.
- 15. (Previously Amended) A method for producing γ -decalactone comprising culturing Candida sorbophila in a medium containing at least one selected from castor oil, a castor oil hydrolysate, ricinoleic acid, and lesquerolic acid, and lactonizing γ -hydroxydecanoic acid produced in the medium.
- 16. (Original) The method according to claim 14 or 15, wherein γ -decalactone is an optically active γ -decalactone.
- 17. (Previously Amended) The method according to claim 14 or 15, wherein the at least one is castor oil and/or a castor oil hydrolysate.
- 18. (Original) A method for producing δ-decalactone comprising culturing Candida sorbophila in a medium containing 11-hydroxypalmitic acid and/or ethyl 11-hydroxypalmitate and recovering the produced δ-decalactone from the medium.
- 19. (Original) A method for producing δ -decalactone comprising culturing Candida sorbophila in a medium containing 11-hydroxypalmitic acid and/or ethyl 11-hydroxypalmitate and lactonizing δ -hydroxydecanoic acid produced in the medium.

- 20. (Original) The method according to claim 18 or 19, wherein δ -decalactone is an optically active δ -decalactone.
- 21. (Previously Amended) The method according to claim 14, 15, 18, or 19, wherein the Candida sorbophila is at least one selected from Candida sorbophila strain ATCC 74362, Candida sorbophila strain ATCC 60130, Candida sorbophila strain IFO 1583, and Candida sorbophila strain FC 58 deposited under the accession number FERM BP-8388.
- 22. (Cancelled)
- 23. (Cancelled)